DETAILED ACTION

1.   This action is responsive to response filed 10/30/2009.

2.   The disposition of the claims is as follows: claims 2-10, 55-63 and 114-117 are pending

in the application. Claims 5, 58 and 115-117 are independent claims. Claims 1, 11-54 and 64-

113 were previously cancelled.

Claim Rejections - 35 USC § 102 and 103

3.   In view of cancelled claims and review of cited references and applicant's remarks, 103

rejections are withdrawn.

Allowable Subject Matter

4.   Claims 2-10, 55-63 and 114-117 are allowed.

5.   The following is an examiner's statement of reasons for allowance:

Applicant's independent claims 5, 58 and 115-117 stand novel over the related prior art.

While the reference MATLAB provides for the capability of the independent claims, particularly

wherein the user is encouraged to explore and try various system features of the MATLAB

system. However the Patent Board of Appeals opinioned that while the Examiner's logic <u>may</u>

<u>have</u> some relevance to an obvious-to-try analysis under § 103, it has no place in an anticipation

rejection. Consequently an obvious to try rejection was made under § 103. However as the

applicant's have remarked, MATLAB still does not teach a user trying the particular elements of

the independent claims.

The related art of Harada et al. (US 5,844,563), does make use of three-dimensional

image data as well as undo and redo operations for solid modeling and although compared with a

wire frame model, because of the limited data, these models do not depict every feature of an object as the solid model. Thus, to accurately portray an object, a three-dimensional image should be rendered based upon solid modeling.

The related art of Zundel et al. (US 6,618,851 B1), does make use of current state of the memory is preserved to ultimately allow for application of a program's undo operation. A bulletin object is created in regular (e.g., un-preserved) memory, and is appended to an ordered list of such bulletins.

However, neither MATLAB, Harada et al. nor Zundel et al. disclose, the combined elements of amended independent claims 5, 58 and 115-117, the cited references and prior art of record lack separately and in combination the elements of said claims.

Therefore as claimed by the combined elements of independent claims 115, 5, 116, 58 and 117 the cited references and prior art of record lack separately and in combination the elements of amended claims. Claims 2-4, 6-10, 55-57, 59-63 and 114 depend from allowable independent claims 115, 5, 116, 58 and 117, respectively, and therefore are also allowed.

6.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiries

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Gregory F. Cunningham whose telephone number is (571) 272-

7784.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella can be reached on (571) 272-7778. The fax phone number for the

organization where this application or proceeding is assigned is **571-273-8300**.

        Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Greg F Cunningham/
Examiner, Art Unit 2624
1/12/2010

/Matthew C Bella/
Supervisory Patent Examiner, Art Unit 2624